

ABSTRACT OF THE DISCLOSURE

A fluid flow control system for precisely controlling fluid flow from a source of fluid under pressure. A flow path for coupling said source of fluid to a point of utilization includes a valve and a flow restrictor. A pressure transducer is connected across the flow restrictor for measuring the pressure differential thereacross and producing a signal proportional to the pressure differential, and a controller is connected to receive said signal and pulse said valve at a frequency to obtain a preset target value of pressure across said flow restrictor. A system of mixing two or more fluid streams comprising in combination one or more flow control systems are defined above and a mixer coupled to each of said fluids is coupled to the point of utilization.